

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-23 (Canceled).

Claim 24 (Currently Amended): A tray component supply apparatus comprising:

a tray stocker provided inside an apparatus main body to be reciprocally movable in a vertical direction and configured to store for storing plural component supply trays arranged therein in the vertical direction;

a tray stocker drive device for reciprocally moving the tray stocker in the vertical direction to selectively position the tray stocker to a number of predetermined positions including uppermost and lowermost end positions position;

a tray drawing mechanism for horizontally drawing to a component delivery position a component supply tray stored in the tray stocker and positioned by the vertical movement of the tray stocker to a predetermined position between the uppermost and lowermost end positions to a component delivery position;

a main body side replenishment tray holding section provided vertically stationarily at a part of the apparatus main body, the part being over or under the tray stocker of the apparatus main body for externally receiving and holding a replenishment tray which is a component supply tray loaded with components; and

a tray stocker side replenishment tray holding section provided at an upper or lower part of the tray stocker for vertical reciprocating movement together with the tray stocker, the tray stocker side replenishment tray holding section being capable of horizontally slidably holding the replenishment tray; and

wherein the replenishment tray held by the main body side replenishment tray holding section is transferred to the tray stocker side replenishment tray holding section when with

the tray stocker side replenishment tray holding section is positioned by the vertical movement of the tray stocker to [[a]] the uppermost or lowermost end position close to the main body side replenishment tray holding section.

Claim 25 (Currently Amended): A tray component supply apparatus comprising:

a tray stocker provided inside an apparatus main body to be reciprocally movable in a vertical direction and configured to store for storing plural component supply trays arranged therein in the vertical direction;

a tray stocker drive device for reciprocally moving the tray stocker in the vertical direction to selectively position the tray stocker to a number of predetermined positions including uppermost and lowermost end positions position;

a tray drawing mechanism for horizontally drawing to a component delivery position a component supply tray stored in the tray stocker and positioned by the vertical movement of the tray stocker to a predetermined position between the uppermost and lowermost end positions ~~to a component delivery position~~;

a main body side replenishment tray holding section provided vertically stationarily at a part of the apparatus main body, the part being over or under the tray stocker of the apparatus main body for externally receiving and holding a replenishment tray which is a component supply tray loaded with components; and

a tray stocker side replenishment tray holding section provided at an upper or lower part of the tray stocker for vertical reciprocating movement together with the tray stocker, the tray stocker side replenishment tray holding section being capable of horizontally slidably holding the replenishment tray; and

a tray transfer mechanism for transferring the replenishment tray held by the main body side replenishment tray holding section to the tray stocker side replenishment tray

holding section ~~with~~ when the tray stocker side replenishment tray holding section is positioned by the vertical movement of the tray stocker to ~~[[a]]~~ the uppermost or lowermost end position close to the main body side replenishment tray holding section.

Claim 26 (Currently Amended): A tray component supply apparatus comprising:

a tray stocker provided inside an apparatus main body to be reciprocally movable in a vertical direction and configured to store ~~for storing~~ plural component supply trays arranged therein in the vertical direction;

a tray stocker drive device for reciprocally moving the tray stocker in the vertical direction to selectively position the tray stocker to a number of predetermined positions including uppermost and lowermost end positions ~~position~~;

a tray drawing mechanism for horizontally drawing to a component delivery position a component supply tray stored in the tray stocker and positioned by the vertical movement of the tray stocker to a predetermined position between the uppermost and lowermost end positions ~~to a component delivery position~~;

a main body side replenishment tray holding section provided vertically stationarily at a part of the apparatus main body, the part being over the tray stocker ~~of the apparatus main body~~ for externally receiving and holding a replenishment tray which is a component supply tray loaded with components; and

a tray stocker side replenishment tray holding section provided at an upper surface of the tray stocker for vertical reciprocating movement together with the tray stocker, the tray stocker side replenishment tray holding section being capable of horizontally slidably holding the replenishment tray; and

a tray transfer mechanism for transferring the replenishment tray held by the main body side replenishment tray holding section to the tray stocker side replenishment tray

holding section ~~with~~ when the tray stocker side replenishment tray holding section is positioned by the vertical movement of the tray stocker to ~~[[a]]~~ the uppermost end position close to the main body side replenishment tray holding section.

Claim 27 (Previously Presented): The tray component supply apparatus as set forth in Claim 26, wherein the main body side replenishment tray holding section comprises a frame member formed to be rectangular and first replenishment tray holding members which are protruded from a pair of facing side plates of the frame member to be movable inward in the horizontal direction for holding the replenishment tray.

Claim 28 (Previously Presented): The tray component supply apparatus as set forth in Claim 27, wherein the frame member is provided at an upper part of the apparatus main body to be drawable in the horizontal direction so that the replenishment tray is replenished with the frame member drawn out.

Claim 29 (Previously Presented): The tray component supply apparatus as set forth in Claim 27, wherein the frame member is bodily provided at the upper part of the apparatus main body and wherein a top plate of the apparatus main body is constructed to be opened and closed so that the replenishment tray is replenished with the top plate opened.

Claims 30-32 (Cancelled).

Claim 33 (Currently Amended): A tray component supply apparatus comprising:

a tray stocker provided inside an apparatus main body to be reciprocally movable in a vertical direction and configured to store for storing plural component supply trays arranged therein in the vertical direction;

a tray stocker drive device for reciprocally moving the tray stocker in the vertical direction to selectively position the tray stocker to a number of predetermined positions including uppermost and lowermost end positions ~~position~~;

a tray drawing mechanism for horizontally drawing to a component delivery position a component supply tray stored in the tray stocker and positioned by the vertical movement of the tray stocker to a predetermined position between the uppermost and lowermost end positions ~~to a component delivery position~~;

a main body side replenishment tray holding section provided vertically stationarily at a part of the apparatus main body, the part being under the tray stocker, of the apparatus main body for externally receiving and holding a replenishment tray which is a component supply tray loaded with components; and

a tray stocker side replenishment tray holding section provided at a lower part of the tray stocker for vertical reciprocating movement together with the tray stocker, the tray stocker side replenishment tray holding section being capable of horizontally slidably holding the replenishment tray; and

wherein the replenishment tray held by the main body side replenishment tray holding section is transferred to the tray stocker side replenishment tray holding section when ~~with~~ the tray stocker side replenishment tray holding section is positioned by the vertical movement of the tray stocker to ~~[[a]] the lowermost end~~ position close to the main body side replenishment tray holding section.

Claim 34 (Previously Presented): The tray component supply apparatus as set forth in Claim 33, wherein the tray stocker side replenishment tray holding section includes replenishment tray holding members movable between a holding position for slidably holding the replenishment tray and a holding release position for releasing the holding, and wherein the tray component supply apparatus further comprises a replenishment tray holding member moving mechanism for moving the replenishment tray holding members between the holding position and the holding release position to move the replenishment tray held by the main body side replenishment tray holding section to the replenishment tray holding members.

Claim 35 (Previously Presented): The tray component supply apparatus as set forth in Claim 33, wherein the main body side replenishment tray holding section is constituted to be drawably in the horizontal direction so that the replenishment tray is replenished with the main body side replenishment tray holding section drawn out.

Claim 36 (Previously Presented): The tray component supply apparatus as set forth in Claim 33, wherein the replenishment tray held by the tray stocker side replenishment tray holding section is stored at a predetermined location in the tray stocker after drawn out once to the component delivery position.

Claim 37 (Currently Amended): A tray component supply apparatus comprising:
a tray stocker provided inside an apparatus main body to be reciprocally movable in a vertical direction and configured to store ~~for storing~~ plural component supply trays arranged therein in the vertical direction;

a tray stocker drive device for reciprocally moving the tray stocker in the vertical direction to selectively position the tray stocker to a number of predetermined positions including uppermost and lowermost end positions ~~position~~;

a tray drawing mechanism for horizontally drawing to a component delivery position a component supply tray stored in the tray stocker and positioned by the vertical movement of the tray stocker to a predetermined position between the uppermost and lowermost end positions ~~to a component delivery position~~;

a main body side empty tray holding section provided vertically stationarily at a part of the apparatus main body, the part being under or over the tray stocker, ~~of the apparatus main body and being capable of~~ for holding an empty tray which is a component supply tray emptied of components and ~~[[of]]~~ for discharging the empty tray ~~[[out]]~~; and

a tray stocker side empty tray holding section provided at a lower part or upper part of the tray stocker for vertical reciprocal movement together with the tray stocker, the tray stocker side empty tray holding section being capable of horizontally slidably holding the empty tray; and

wherein the empty tray held by the tray stocker side empty tray holding section is transferred to the main body side empty tray holding section when ~~with~~ the tray stocker side empty tray holding section is positioned by the vertical movement of the tray stocker to ~~[[a]]~~ the lowermost or uppermost end position close to the main body side empty tray holding section.

Claims 38-44 (Cancelled).

Claim 45 (Currently Amended): A tray component supply apparatus comprising:

a tray stocker provided inside an apparatus main body to be reciprocally movable in a vertical direction and configured to store ~~for storing~~ plural component supply trays arranged therein in the vertical direction;

a tray stocker drive device for reciprocally moving the tray stocker in the vertical direction to selectively position the tray stocker to a number of predetermined positions including uppermost and lowermost end positions ~~position~~;

a tray drawing mechanism for horizontally drawing to a component delivery position a component supply tray stored in the tray stocker and positioned by the vertical movement of the tray stocker to a predetermined position between the uppermost and lowermost end positions ~~to a component delivery position~~;

wherein a main body side replenishment tray holding section for externally receiving and holding a replenishment tray which is a component supply tray loaded with components is provided at the uppermost end position on a moving locus of the tray stocker, while a tray discharge section for holding an empty tray which is a component supply tray emptied of components and for discharging the empty tray out is provided at the lowermost end position of the moving locus; and

wherein the tray stocker is provided at its upper end part with a tray stocker side replenishment tray holding section for receiving and holding the replenishment tray transferred from the main body side replenishment tray holding section and at its lower end part with empty tray holding members for holding the empty tray to be discharged to the tray discharge section.

Claim 46 (Canceled).

Claim 47 (New): The tray component supply apparatus as set forth in Claim 24, further comprising:

a table serving as a location for temporary turnout and protruding from the front of the apparatus main body in the horizontal direction for mounting a component supply tray on an upper surface thereof, so that the replenishment tray held by the tray stocker side replenishment tray holding section may be drawn onto the upper surface of the table and then stored in the tray stocker through movement of the tray stoker in the vertical direction and operation of the tray drawing mechanism.

Claim 48 (New): The tray component supply apparatus as set forth in Claim 47, wherein the component delivery position and the location for temporary turnout are at the same position on the table.

Claim 49 (New): The tray component supply apparatus as set forth in Claim 37, further comprising:

a table serving as a location for temporary turnout and protruding from the front of the apparatus main body in the horizontal direction for mounting an empty tray on an upper surface thereof, so that the empty tray on the upper surface of the table may be held by the tray stocker side empty tray holding section through movement of the tray stoker in the vertical direction and operation of the tray drawing mechanism.

Claim 50 (New): The tray component supply apparatus as set forth in Claim 49, wherein the component delivery position and the location for temporary turnout are at the same position on the table.